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NATURE OF PROPOSAL:

Make an engineering study only to determine the feasibility of installing an inflight refueling system in the U-2A and U-2C aircraft. Both the flying boom and the probe and drogue type systems will be considered. Consideration shall be given to the following items:

1. Compatibility of the KC-135 as a tanker.
2. Increase in range using various flight profiles with and without slipper tanks.
3. The amount of additional oxygen required to fulfill the requirements of (2) above.
4. Improved pilot comfort required by extended duration, including additional relief facilities.
5. Improved system of inflight feeding. A revised feeding port has been developed that shows promise.
6. Investigate the reliability of the present navigation system when used in the polar regions.
7. Adequacy and compatibility of the present communications system.

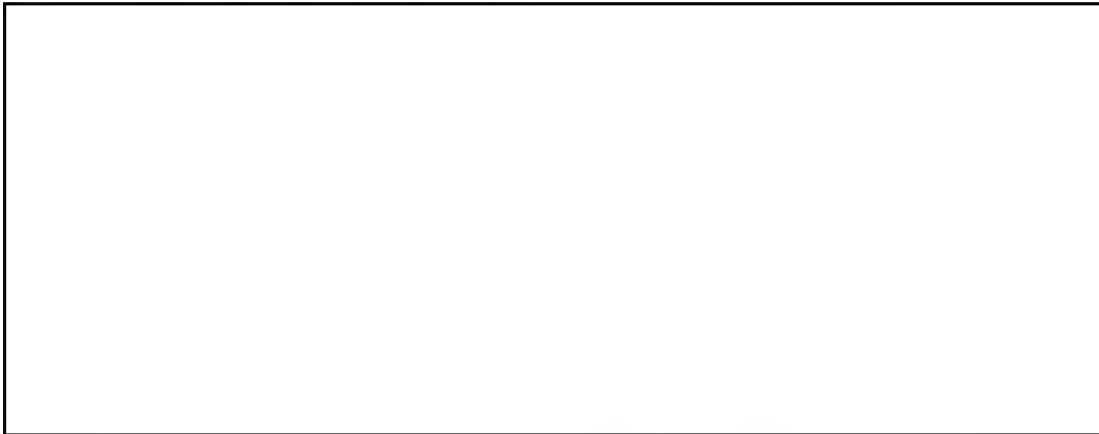
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NATURE OF PROPOSAL: (CONT)

8. It is proposed that only the main wing tanks be refueled in flight.

This necessitates the main tanks being used first. However, in order to keep the c.g. within reasonable limits, toward the end of the flight it will be necessary to switch over to the normal fuel system management after the refueling operation is completed. Investigation will be made to determine the effect of missed fueling connections and aborted missions at various ranges, to determine their effect on the c.g.

9. Two loadings will be assumed:



STATINTL

A report and drawings resulting from this study will be submitted by the Contractor.

CONFIDENTIAL

31 August 1960

DOCUMENT NO. _____
NO CHANGE IN CLASS. ☒
IT DECLASSIFIED
CLASS. CHANGED TO: TS, S, C
NEXT REVIEW DATE: 20/1/0
AUTH: HR 70 2
DATE: 2/12/91 REVIEWER: _____

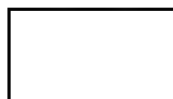


Dear 

Subject: Transmittal of Change Proposal

Enclosed are three (3) copies and one (1) brownline of our
Change Proposals, LAC-76-1 and LAC-91.
These proposals are submitted for your consideration and
approval.

Very truly yours,



cc: DK with one copy of LAC-76-1
four copies of LAC-91

2 copies LAC-91
9 Sept 60

all copies LAC-91
destroyed
copy on file